



PATIENT PRESENTING CLINICAL SIGNS

Elsa Scime Patient presented on 3/2/2023 for annual wellness exam with no concerns. Ran annual bloodwork due to age. HCT 57.5%, Reticulocytes 126, ALP 656, ALT 116, anaplasma positive. Recommend AUS due to increased ALP and high end of normal ALT.

SPECIES

Canine

BREED

Gold Retriever Mix

SEX

FS

AGE

9yr

WEIGHT

72.6lb

INTERPRETED BY

R. McKenzie Daniel, DVM,
DABVP (Canine and Feline)

IMAGING PERFORMED BY

Pamela Harrigan, RDMS

HOSPITAL NAME

Wood River Animal Hospital

REFERRING VET

Dr. Plunkett

INVOICE

13209ag

DATE

03/17/2023

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra exhibited normal thickness and tone. Anechoic urine was present in the lumen with no uroliths or sediment. The ureteral papillae were normal. The ureters were not visible which is normal. No evidence of inflammatory or neoplastic changes were noted.

Normal size and margination were present in the kidneys. A normal 1:3 cortex / medulla ratio was maintained. The medulla and cortices were uniform in texture with some increased echogenicity and mild loss of corticomedullary symmetry and definition expected for the age of the patient. No evidence of pelvic dilation was present. The left kidney measured 7.0 cm in length. The right kidney measured 7.1 cm in length.

The area of the aortic trifurcation was free of pathology.

Adrenal Glands

The bilateral adrenal glands were normal in size. Mild parenchyma heterogeneity and mild capsule asymmetry was present without suspicion for overt neoplasia. The left adrenal gland measured 0.71 cm width in the cranial pole and 0.80 cm width in the caudal pole. The right adrenal gland measured 0.86 cm width in the cranial pole and 0.67 cm width in the caudal pole. No adrenal tumors.

Spleen

The spleen exhibited a finely textured and homogenous parenchyma which was hyperechoic to the liver and renal cortical parenchyma. The capsule was smooth and regular without apparent expansion. The splenic vasculature at the hilus was normal in volume with no evidence of congestion or thrombosis. Acute to chronic inflammatory, neoplastic, or benign parenchyma changes were not noted.

Liver/Gallbladder

The liver exhibited mild enlargement with symmetrical contour and generalized non-homogenous to variably echogenic hepatic parenchyma. Evidence of parenchymal remodeling was noted. No masses or nodules. The hepatic and portal vasculature were normal in appearance without signs of congestion. The gallbladder was non-distended in size with thin walls and primarily anechoic luminal content with mild non-organized debris. The cystic and common bile ducts were normal.

Gastrointestinal

The stomach presented intact wall layering with a normal wall layer ratio. The lumen of the stomach contained ingesta with areas of strong distal acoustic shadowing with no signs of ileus, obstruction or foreign material.

The small intestine presented intact wall layering with 1:3 muscularis/mucosa ratio. The lumen of the small intestine was empty with no signs of ileus, obstruction or foreign material.

Normal visible colon wall layers were present with apparent formed feces in lumen.



PATIENT *Pancreas*

Elsa Scime The parenchyma of the left limb, body and right limb of the pancreas presented isoechoic to the adjacent omental fat. A normal curvilinear capsule contour of the pancreas was present. The visible pancreatic duct was normal. No signs of active inflammation or neoplastic disease was evident.

SPECIES

Canine *Free Abdomen*

No omental masses, overt lymphadenopathy or peritoneal effusion was present.

BREED

Gold Retriever Mix

ULTRASONOGRAPHIC FINDINGS

- Non-specific subjective benign hepatopathy.
- Mild gallbladder debris (non-mucocele)
- Age related renal changes.
- Shadowing gastric ingesta.

SEX

FS

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

AGE

9yr

Overall, the liver was non-specific and sonographically consistent with chronic benign hepatopathy. Considerations include vacuolar hepatopathy, inflammatory/immune mediated disease, hematopoiesis, hyperplasia, cholestasis or other hepatopathy. Neoplastic criteria considered less likely. No overt suspicion of adrenal disease given lack of clinical signs suggestive of Cushing's syndrome.

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Hepatic sampling required for further clarification. Hepatosupportive medications such as Denamarin and Ursodiol may prove beneficial.

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 DABVP (Canine and Feline)

The presence of gastric ingesta is nonspecific and likely indicates post-prandial presentation. Correlation with most recent meal ingestion is recommended. If documented NPO prior to the ultrasound, the presence of gastric ingesta may indicate some degree of gastric hypomotility or metabolic stasis. The sonographic presentation of the ingesta was most consistent with food, without evidence of foreign material. Sonographic monitoring for evidence of normal gastric emptying may be considered.

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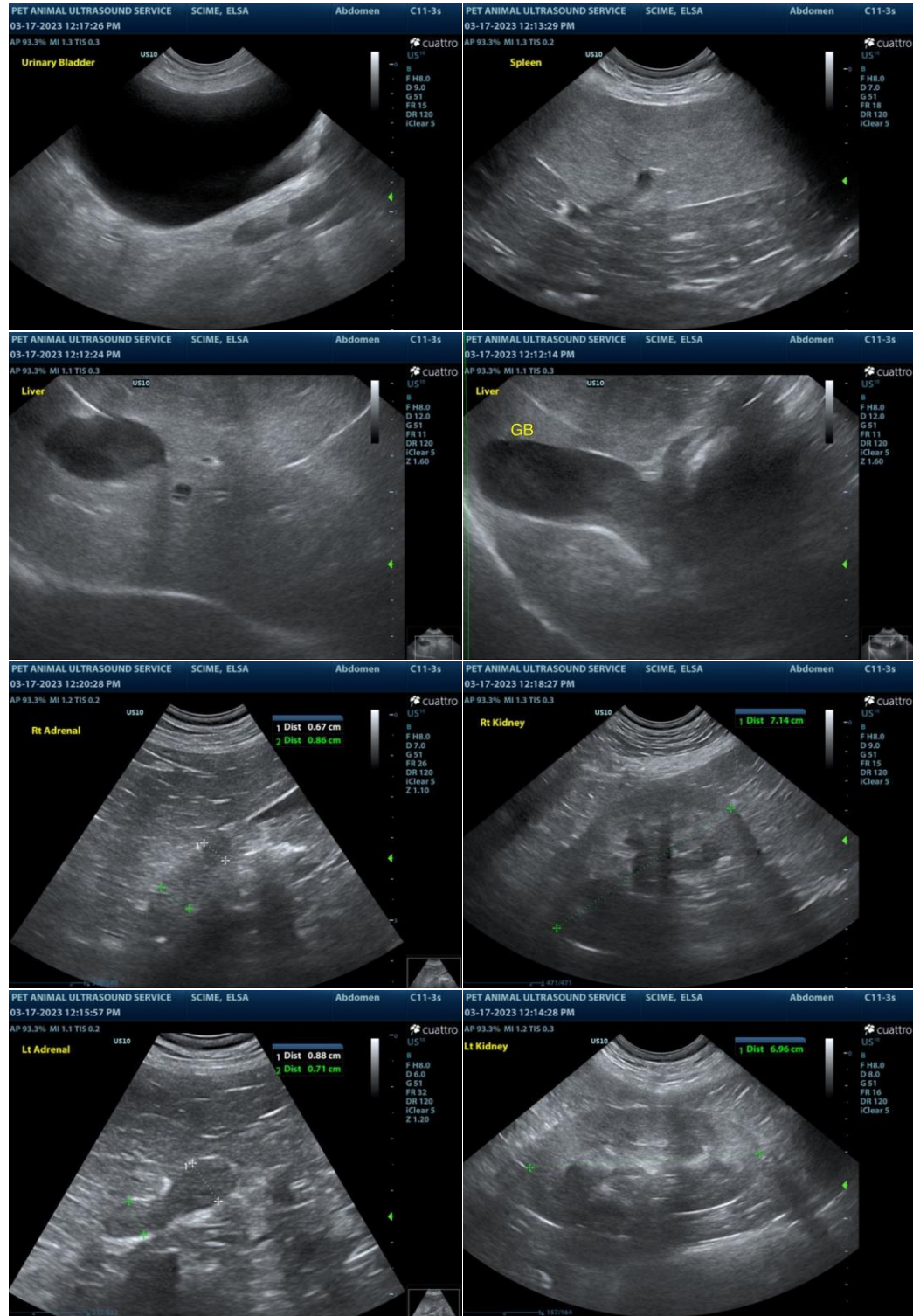
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

Thank you for this referral. If the clinical or image interpretation does not parallel your findings or if I can be of any further assistance please contact me.



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info@SonoPath.com

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